

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Continuation of Serial No. 09/191,840

Applicant : Hiroaki SETO
Filed : Herewith
For : METHOD OF AND SYSTEM FOR RECORDING IMAGE
INFORMATION AND METHOD OF AND SYSTEM FOR ENCODING
IMAGE INFORMATION

745 Fifth Avenue
New York, New York 10151
Tel. (212) 588-0800

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Charles T. Jackson
(Typed or printed name of person
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Charles T. Jackson
(Signature of person mailing paper or fee)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

Sir:

Before the issuance of the first Official Action,
please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please add the following as the first paragraph on page
1 of the specification:

--CROSS REFERENCE TO RELATED APPLICATIONS

This application is a continuation of application Serial No. 09/191,840, filed November 13, 1998, now pending which is a divisional of application Serial No. 08/655,489, filed May 30, 1996, now U.S. Patent No. 5,953,488.--

IN THE CLAIMS:

Please cancel claims 1-18.

Please add new claims 19-26 as follows:

--19. A video data encoding apparatus for encoding a source video data, comprising:

detecting means for detecting a motion vector of said source video data output from a signal source;

encoding means for encoding source video data using said motion vector;

wherein, when in a pre-encoding mode, said detection means and said encoding means both operate, said encoding means encoding said source video data using said motion vector detected by said detection means; and

when in an encoding mode, said encoding means operates and said detection means does not operate, said encoding means encoding said source video data using said motion vector detected by said detection means in said pre-encoding mode, and using information generated in said pre-encoding mode.

20. The video data encoding apparatus according to claim 19, further comprising amount-of-information detecting

means for detecting an amount of information in said source video data encoded in said pre-encoding mode.

21. The video data encoding apparatus according to claim 20, further comprising table information memory means for storing a table of the amount of information in said source video data encoded in said pre-encoding mode and an associated optimum quantization step to be employed when the source video data is to be encoded in said encoding mode.

22. The video data encoding apparatus of claim 19, further comprising storage means for storing said motion vector detected by said detection means,

wherein said encoding means encodes said source video data using said motion vector stored in said storing means in said encoding mode.

23. A video data encoding method for encoding a source video data, comprising the steps of:

pre-encoding said source video data, comprising the steps of detecting a motion vector of said source video data output from a signal source, and encoding said source video signal using said detected motion vector; and

encoding said source video data, comprising the step of encoding said source video data using said motion vector detected during pre-encoding of said source video data.

24. The video data encoding method according to claim 23, further comprising the step of detecting an amount of information in said pre-encoded source video data.

25. The video data encoding method according to claim 24, further comprising the step of storing a table of the amount of information in said pre-encoded source video data and an associated optimum quantization step to be employed when the source video data is to be encoded.

26. The video data encoding method according to claim 22, further comprising the steps of:

storing said detected motion vector; and

encoding said source video data using said stored motion vector.--

REMARKS

This preliminary amendment makes reference to the parent application and adds new claims 19-26 to be prosecuted in this continuation. No new matter is added. Entry of the above new claims and early examination on the merits are respectfully requested.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicant

By: 

William S. Frommer
Registration No. 25,506
Tel. (212) 588-0800

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Charles Jackson
(Typed or printed name of person
mailing paper or fee)

Charles Jackson
(Signature of person mailing paper or fee)

REQUEST FOR APPROVAL OF DRAWING CHANGES

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Before issuance of the first Office Action, please
amend the drawings as follows:

Fig. 1, please change "20" to --400-- as shown.

Fig. 5, please change "exit" to --ext.-- as shown.

Fig. 6, please change "Exit Memory" to --Ext Memory--.

Fig. 13, please change "Inverce" to --Inverse--.

Fig. 18, please amend the reference line as shown.

Fig. 20, please change "IDS" to--IDd--.

REMARKS

In each of the cases noted above, the amendments to the drawings correct typographical errors and do not introduce new matter. Applicant respectfully requests the entry of these amendments in the file.

Early and favorable consideration is respectfully requested.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicant

By: _____

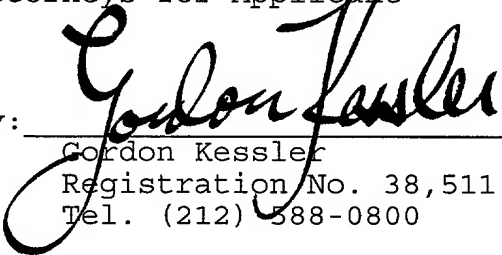

Gordon Kessler
Registration No. 38,511
Tel. (212) 588-0800

FIG. 1 (PRIOR ART)

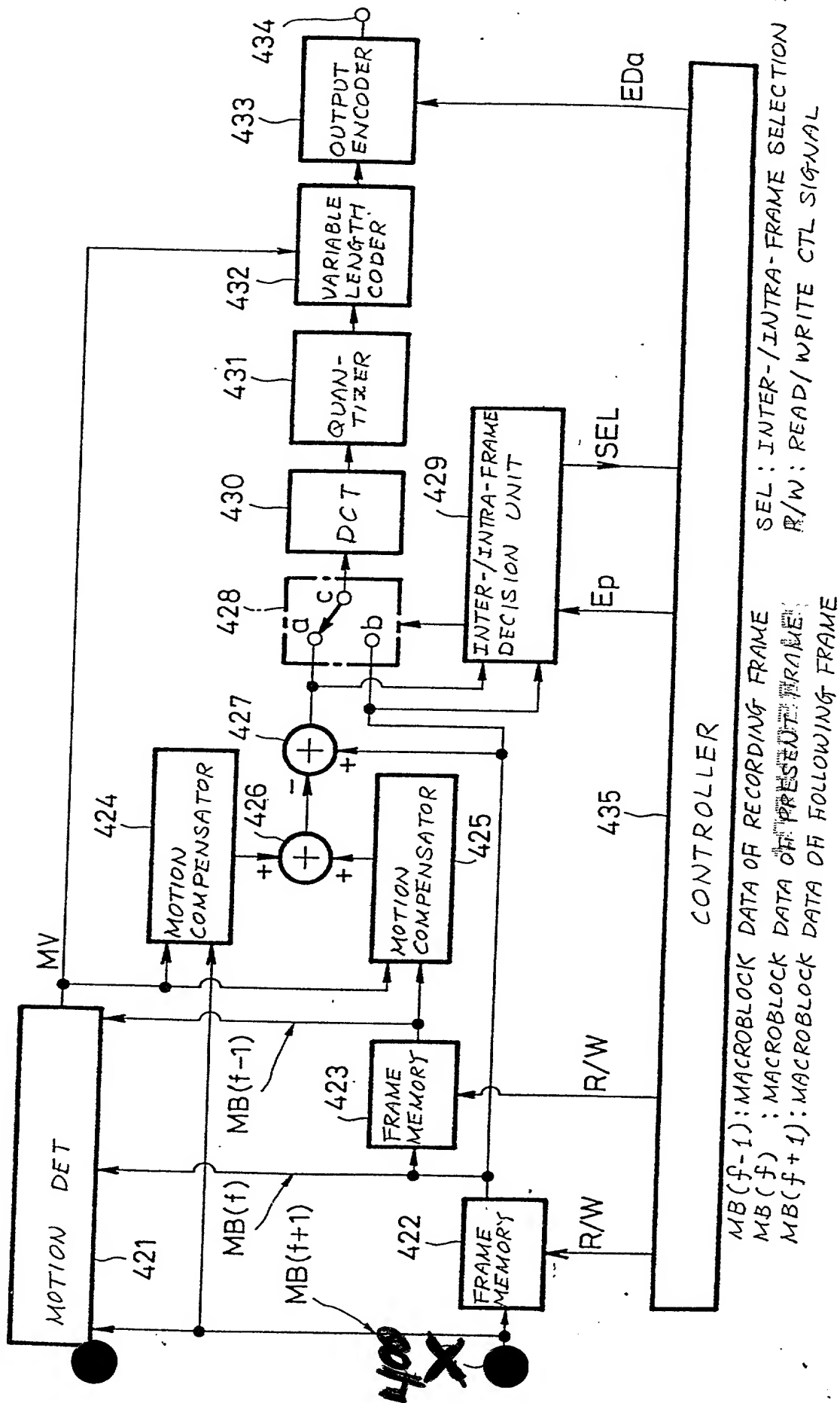


FIG. 5

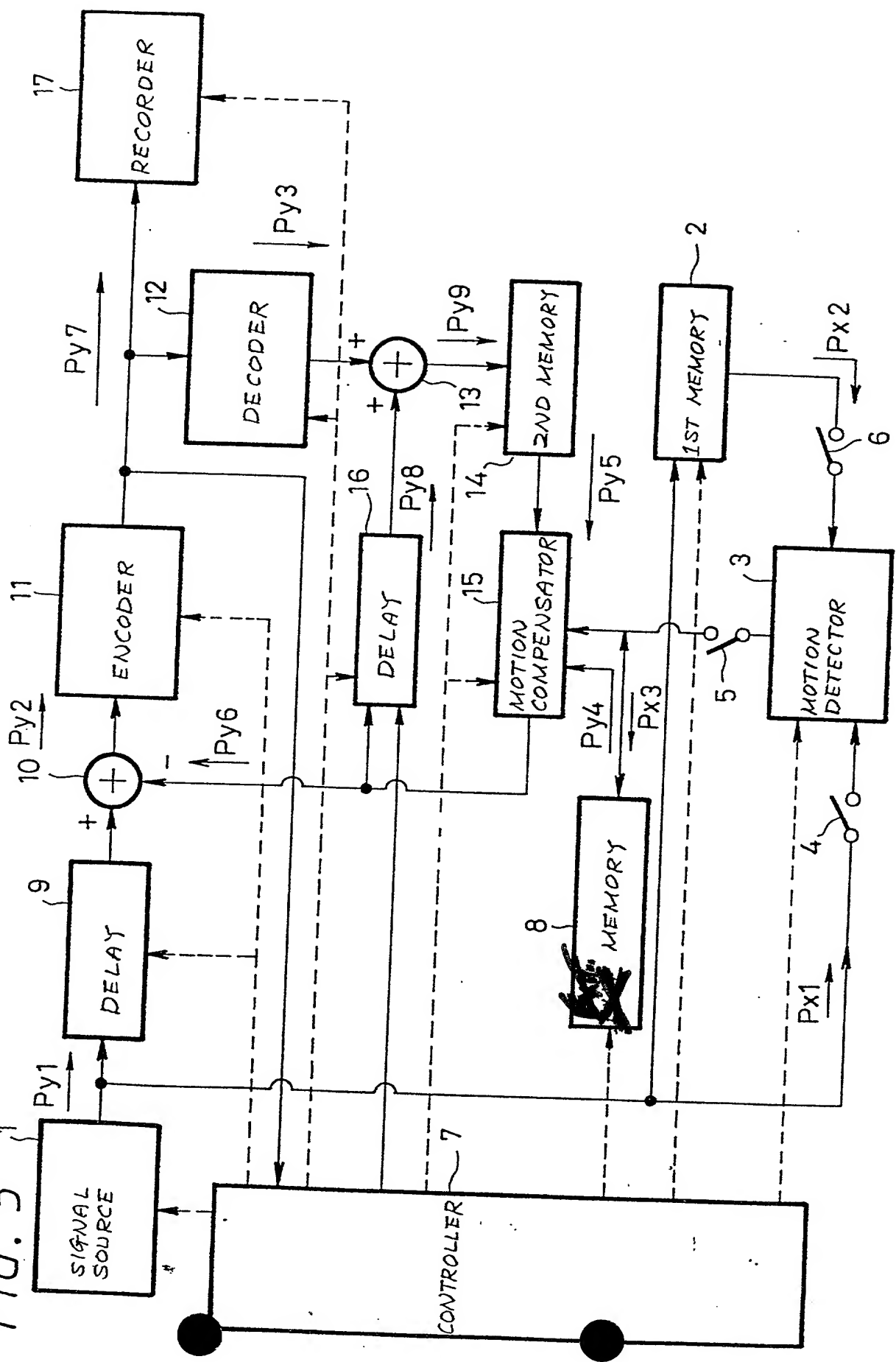


FIG. 6

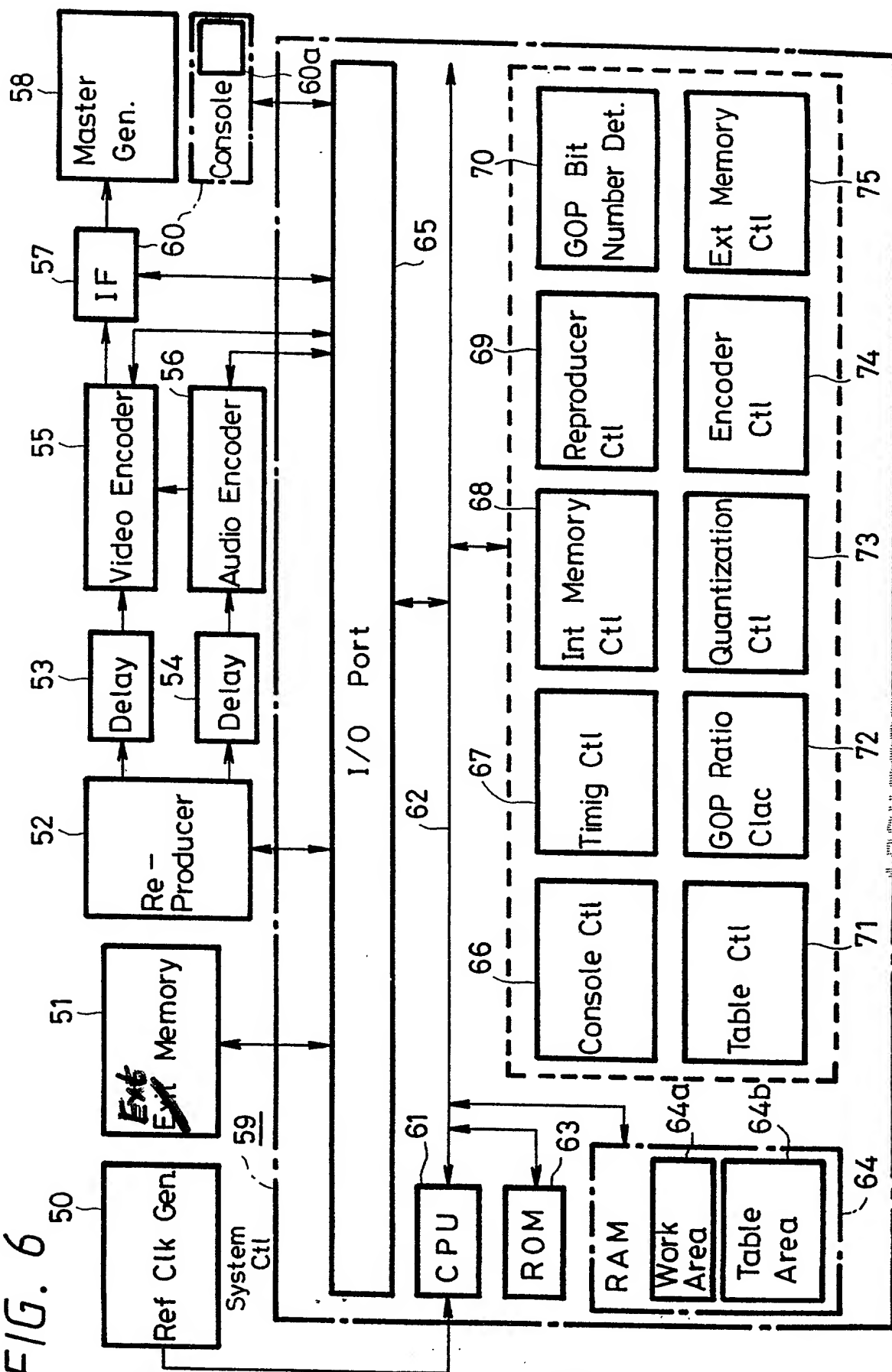


FIG. 13

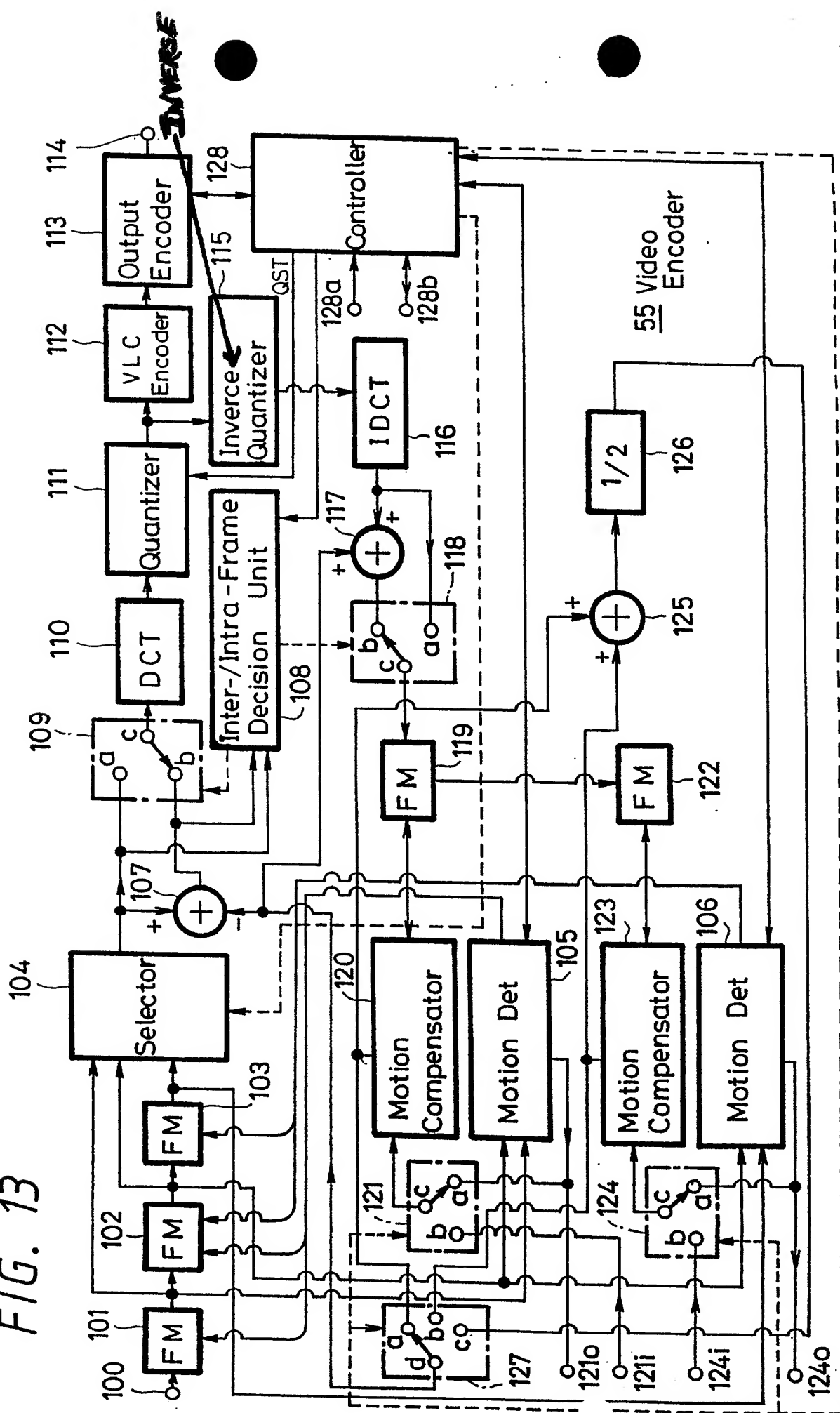


FIG. 18

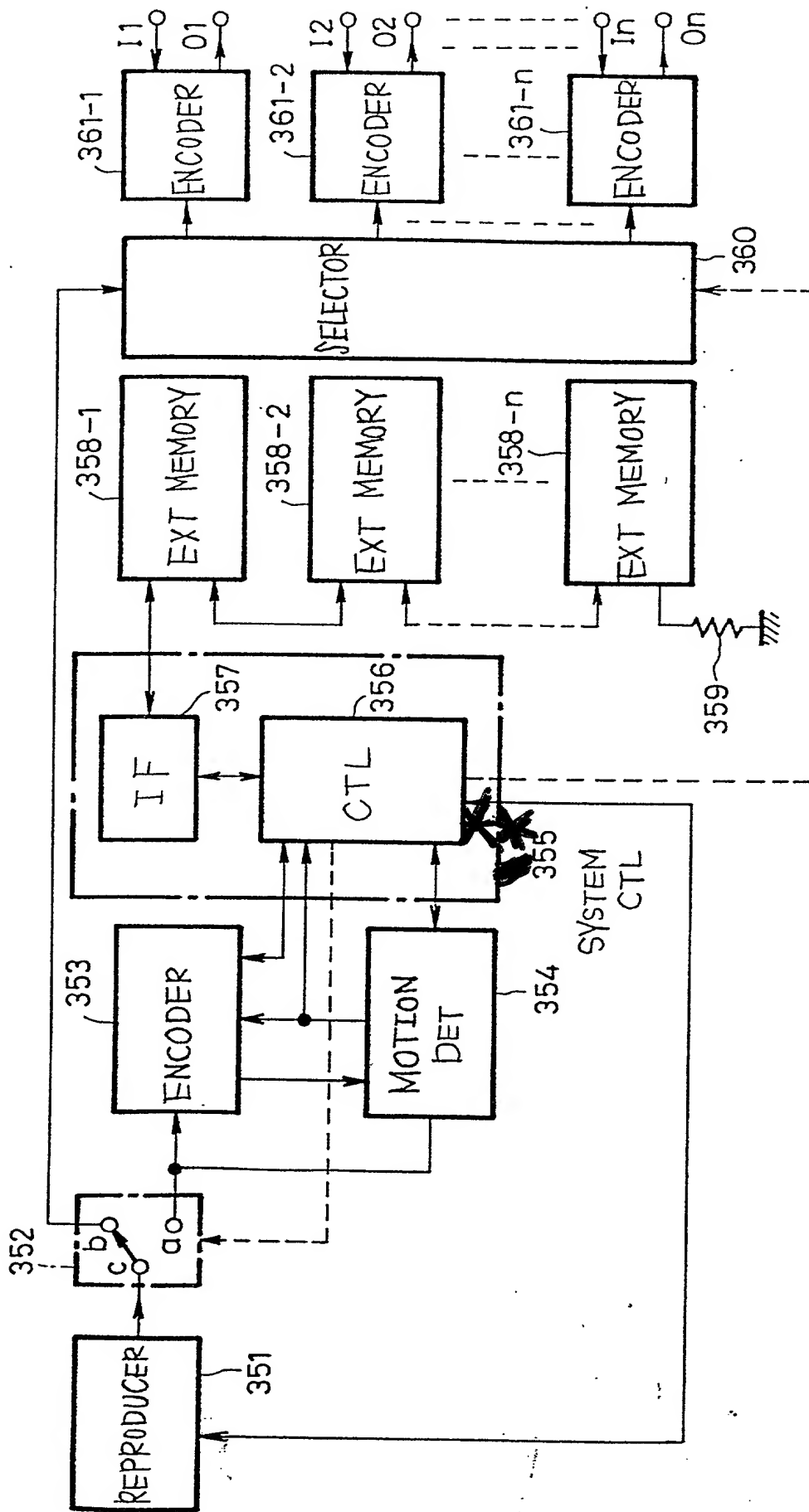


FIG. 20

